

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P506723

Luminaire Tested: **24PD-55-PW1-L930**

Issue Date: 3/26/2021



Test Information

Test Method: LM-79-08
Report Number: P506723
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2102-132-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: 24PD-55-PW1-L930
Description: 5500 LUMEN, 2X4 PERCEIVE LED LUMINAIRE WITH WAVES LENS AND 90 CRI,
3000K LEDS
Light Source: -
Ballast/Driver: -

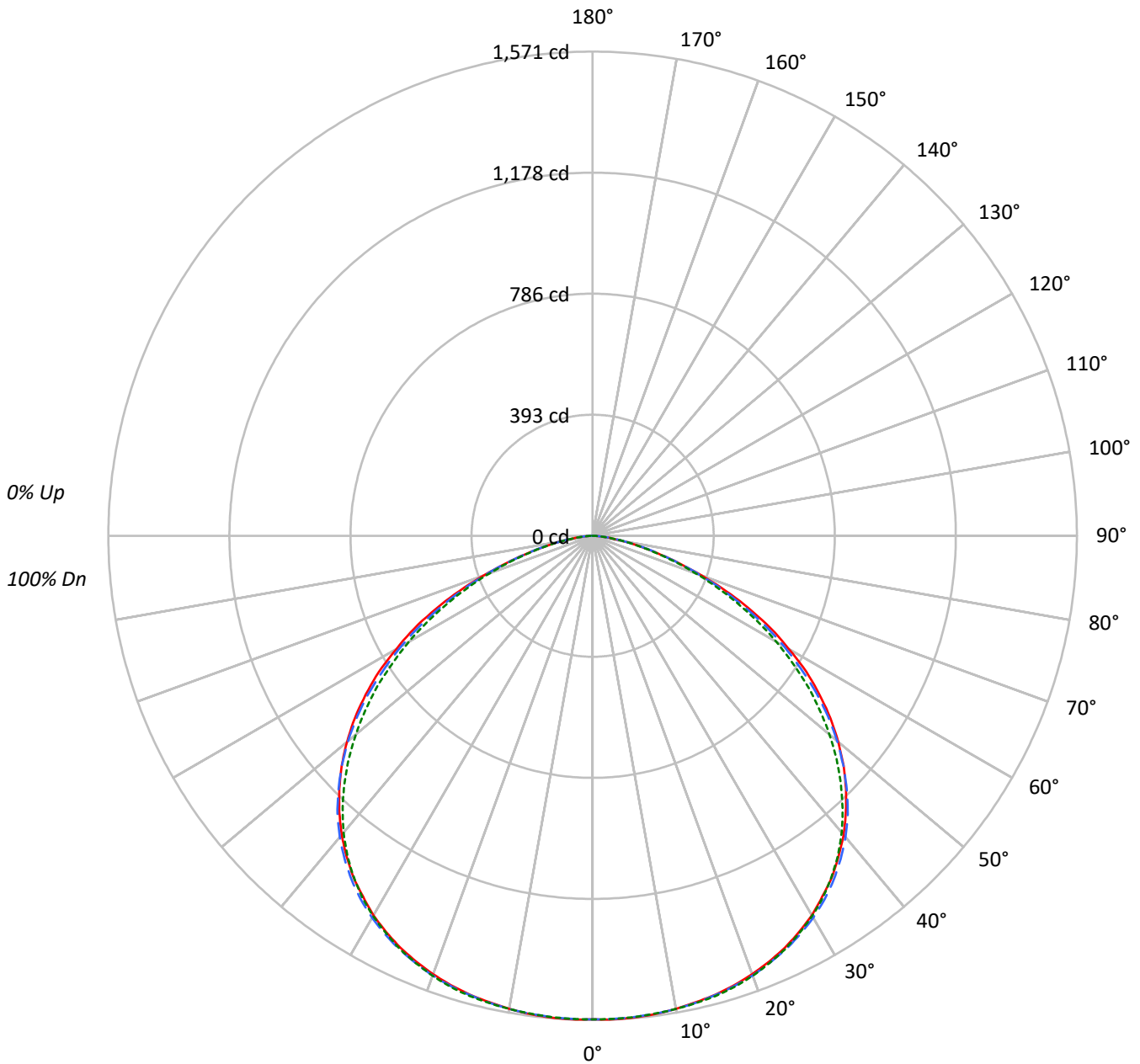
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4601.7 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.34 / 1.34 / 1.45
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 41.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0																
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100																			
1	109	105	101	97	107	103	99	96	98	95	93	95	92	90	91	89	87	85																			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71																			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60																			
4	83	72	63	56	81	70	62	56	68	61	55	65	59	54	63	58	54	52																			
5	77	64	55	48	74	63	54	48	61	53	48	59	52	47	57	51	47	45																			
6	71	57	49	42	69	56	48	42	55	47	42	53	46	41	51	46	41	39																			
7	65	52	43	37	64	51	43	37	50	42	37	48	42	37	47	41	36	34																			
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30																			
9	57	43	35	30	55	43	35	30	42	35	29	41	34	29	40	34	29	27																			
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	26	25																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2111	2111	2111
5°	2119	2116	2116
10°	2130	2130	2130
15°	2147	2149	2153
20°	2167	2174	2175
25°	2190	2200	2196
30°	2209	2224	2213
35°	2222	2239	2220
40°	2224	2241	2208
45°	2211	2220	2167
50°	2177	2167	2099
55°	2108	2074	2000
60°	1979	1929	1853
65°	1785	1720	1650
70°	1472	1449	1396
75°	1125	1136	1091
80°	781	804	787
85°	466	486	474



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.3	3.2
10°-20°	436.3	9.5
20°-30°	682.3	14.8
30°-40°	848.6	18.4
40°-50°	891.8	19.4
50°-60°	782.8	17.0
60°-70°	533.1	11.6
70°-80°	235.2	5.1
80°-90°	42.3	0.9
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1267.8	27.6
0°-40°	2116.5	46.0
0°-60°	3791.2	82.4
0°-90°	4601.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4601.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1569	1569	1569	1569	1569	
5°	1569	1568	1567	1565	1567	149
15°	1541	1543	1542	1542	1546	436
25°	1475	1479	1482	1481	1479	680
35°	1353	1359	1363	1357	1352	845
45°	1162	1170	1167	1147	1139	895
55°	898	895	884	861	852	801
65°	561	547	540	528	518	553
75°	216	218	219	215	210	237
85°	30	32	32	31	31	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1569.2	1569.2	1569.2	1569.2	1569.2
2.5°	1571.0	1570.1	1569.2	1567.9	1569.2
5°	1568.8	1568.3	1567.0	1565.3	1567.0
7.5°	1565.3	1565.3	1564.0	1562.7	1563.5
10°	1558.7	1560.0	1558.7	1557.4	1559.1
12.5°	1549.9	1552.1	1551.7	1551.7	1553.0
15°	1541.2	1542.9	1542.5	1542.5	1545.6
17.5°	1528.9	1531.1	1531.5	1532.4	1534.2
20°	1513.6	1516.7	1518.4	1518.0	1519.3
22.5°	1495.6	1499.1	1500.4	1501.3	1500.4
25°	1475.0	1479.0	1481.6	1480.7	1479.4
27.5°	1450.1	1454.4	1457.9	1455.8	1453.1
30°	1422.0	1426.0	1431.2	1427.3	1424.7
32.5°	1387.4	1394.9	1399.7	1394.9	1390.9
35°	1352.8	1358.9	1363.3	1356.8	1351.5
37.5°	1310.8	1318.2	1322.1	1312.9	1307.2
40°	1266.5	1274.0	1276.1	1264.3	1256.9
42.5°	1216.1	1224.4	1225.3	1208.7	1200.4
45°	1162.2	1169.7	1166.6	1147.3	1138.6
47.5°	1104.0	1109.2	1102.7	1082.9	1073.3
50°	1040.0	1043.1	1035.2	1012.0	1002.8
52.5°	972.5	972.1	962.0	938.8	928.7
55°	898.5	895.0	884.1	860.8	852.5
57.5°	822.7	811.8	799.9	780.2	769.3
60°	735.5	727.2	716.7	697.0	688.7
62.5°	653.2	638.3	629.5	612.0	604.6
65°	560.7	547.2	540.2	528.3	518.3
67.5°	467.9	457.4	452.5	444.2	435.0
70°	374.1	371.1	368.4	360.5	354.8
72.5°	291.3	290.5	290.0	285.6	279.9
75°	216.4	217.7	218.6	214.7	209.8
77.5°	154.2	156.4	156.0	153.8	152.5
80°	100.8	102.5	103.8	101.6	101.6
82.5°	60.9	62.6	62.2	63.1	61.3
85°	30.2	31.5	31.5	31.1	30.7
87.5°	11.0	11.4	11.0	11.4	11.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)